



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/083,134	02/27/2002	Tomi Heinonen	4208-4064	3405
27123	7590	06/13/2006	EXAMINER	
MORGAN & FINNEGAN, L.L.P. 3 WORLD FINANCIAL CENTER NEW YORK, NY 10281-2101			CHOUDHURY, AZIZUL Q	
			ART UNIT	PAPER NUMBER
			2145	

DATE MAILED: 06/13/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/083,134

Applicant(s)

HEINONEN ET AL.

Examiner

Azizul Choudhury

Art Unit

2145

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 9/12/05.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-29,32-37,39,41 and 43-45 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-29,32-37,39,41 and 43-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>9/12/05</u> . | 6) <input type="checkbox"/> Other: _____ |

Detailed Action

This office action is in response to the correspondence received on September 12, 2005.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 8 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is not clear as to where the incoming message is from and who is doing the filtering of the incoming message. Appropriate corrections are required.

Claims 11, 12 and 16 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is not clear what a "phone book section" is. Appropriate corrections are required.

Claim 12 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The phrase "generic information" is indefinite. Appropriate corrections are required.

Claims 11 and 13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which

Art Unit: 2145

applicant regards as the invention. The phrase "detailed personal information" is indefinite. Appropriate corrections are required.

Claims 21, 22, 24, 25, 33 and 45 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The phrase "more detailed, private information" is indefinite. Appropriate corrections are required.

Claims 32 and 41 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The phrase "predefined tolerance" is indefinite. Appropriate corrections are required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3, 5-29, 32-37, 39, 41 and 43-45 are rejected under 35 U.S.C. 102(e) as being anticipated by Jonsson et al (US Pat No: US 20030036350A1), hereafter referred to as Jonsson.

1. With regards to claim 1, Jonsson teaches a method in a user's short-range wireless terminal for sharing the user's personal profile with an inquiring wireless terminal in a wireless network, comprising: installing the user's personal profile in a database of the user's short-range wireless terminal; editing the personal profile while in the user's short-range wireless terminal in response to the user's input wherein a standardized form of the user's, personal profile is installed in service discovery protocol (SDP) records (Jonsson teaches the use of SDP within a Bluetooth network (short-range wireless network) (paragraph 4, Jonsson)); and transmitting the user's personal profile from the user's short-range wireless terminal to an inquiring wireless terminal wherein the user's short-range wireless terminal shares general information in the user's personal profile with the inquiring wireless terminal, if their respective user profiles have a first level of close matching, and the user's short-range wireless terminal shares detailed, private information in the user's profile with the inquiring wireless terminal, if their respective user profiles have a second level of close matching, which is closer than the first level (Bluetooth devices send SDP requests specifying a service. If another Bluetooth device can provide that service, then a SDP reply is sent back (paragraph 4-5, Jonsson)).
2. With regards to claim 2, Jonsson teaches the method wherein the user's short-range wireless terminal and the inquiring wireless terminal are Bluetooth devices (paragraph 3, Jonsson).

3. With regards to claim 3, Jonsson teaches the method, which further comprises:
setting the user's short-range wireless terminal in a state to permit the user's personal profile to be accessed by and respond to inquiring wireless terminals (Jonsson teaches that devices can be set to "discoverable mode" wherein profiles can be accessed and responses can be sent out (paragraph 3, Jonsson)).
4. With regards to claim 5, Jonsson teaches the method wherein said installing the user's personal profile further comprises: including a list of user interests in the SDP records defined by a plurality of fields, each field including a series of attributes, where each attribute is defined by a name, a type, and a value (paragraph 30, Jonsson).
5. With regards to claim 6, Jonsson teaches the method wherein said installing the user's personal profile further comprises: including a bit mask characterizing each specified interest (Jonsson's design allows for attribute checking of the device list (paragraph 45, Jonsson). It is inherent that bit masking is applied to perform such checks).
6. With regards to claim 7, Jonsson teaches the method wherein said installing the user's personal profile further comprises: storing a full complement of

personalization data in one SDP record (Jonsson's design applies Bluetooth which uses SDP records (paragraph 4, Jonsson)).

7. With regards to claim 8, Jonsson teaches the method further comprising: filtering incoming messages (Jonsson teaches how only devices set to "discoverable mode" will receive the inquiry message, this is a form of filtering incoming messages (paragraph 3, Jonsson)).
8. With regards to claim 9, Jonsson teaches the method wherein said editing the personal profile stored in the user's terminal further comprises: displaying an index screen in the user's terminal to enable the user to access a process screen for editing and removing keywords related to the processes; and editing and updating the personal profiles using a user interface of the user's terminal (Bluetooth allows for user selection of devices/services from the user's device (paragraph 5, Jonsson)).
9. With regards to claim 10, Jonsson teaches the method, which further comprises: uploading the personal profiles via a network and storing them at a centralized database; enabling editing of the personal profiles on a computer coupled to the centralized database; and downloading the edited personal profiles to the user's terminal (paragraph 21, Jonsson).

10. With regards to claim 11, Jonsson teaches the method wherein said installing the user's personal profile further comprises: installing the user's personal profile into a database divided into a phone book section containing the user's personal profile and a more detailed data section for detailed personal information (paragraphs 4, 7, 19, 35 and 36, Jonsson).

11. With regards to claim 12, Jonsson teaches the method wherein said installing the user's personal profile further comprises: writing generic information, such as name and contact information into the phone book section (paragraphs 4, 7, 19, 35 and 36, Jonsson).

12. With regards to claim 13, Jonsson teaches the method wherein said installing the user's personal profile further comprises: writing detailed personal information into the more detailed data section, such as sports interests and hobby interests (The SDP allows for various types of data to be stored (paragraphs 4, 19 and 36, Jonsson)).

13. With regards to claim 14, Jonsson teaches the method wherein said responding step further comprises: responding in a SDP transaction to provide a standardized format for the requested information (paragraph 30, Jonsson).

14. With regards to claim 15, Jonsson teaches the method wherein said responding step further comprises: providing additional references in the response by providing links to additional user defined information from the database in an object exchange (OBEX) transaction (paragraphs 34-36, Jonsson).
15. With regards to claim 16, Jonsson teaches the method wherein said responding step further comprises: sending the user information from the user's phonebook, encoded in a vCard electronic business card format (Profile information is maintained in a standardized format, no limitation is placed as to what that standard should be (paragraph 36, Jonsson)).
16. With regards to claim 17, Jonsson teaches the method wherein said responding step further comprises: sending the personal profiles encoded in extended markup language (XML) (Profile information is maintained in a standardized format, no limitation is placed as to what that standard should be (paragraph 36, Jonsson)).
17. With regards to claim 18, Jonsson teaches the method wherein the user's short-range wireless terminal transfers information from the user's personal profile in a pull model to the inquiring wireless terminal (Pull model is a component of XML and in Jonsson's design, profile information is maintained in a

standardized format, no limitation is placed as to what that standard should be (paragraph 36, Jonsson)).

18. With regards to claim 19, Jonsson teaches the method wherein the user's short-range wireless terminal transfers information from the user's personal profile in a push model to the inquiring wireless terminal (Push model is a component of XML and in Jonsson's design, profile information is maintained in a standardized format, no limitation is placed as to what that standard should be (paragraph 36, Jonsson)).

19. With regards to claim 20, Jonsson teaches the method wherein the user's short-range wireless terminal transfers general information to the user's personal profile in a push model to the inquiring wireless terminal, without authentication or encryption (Push model is a component of XML and in Jonsson's design, profile information is maintained in a standardized format, no limitation is placed as to what that standard should be (paragraph 36, Jonsson)).

20. With regards to claim 21, Jonsson teaches the method wherein more detailed, private information in the user's profile is protected by authentication and encryption (Jonsson's design makes use of Bluetooth and it is inherent that Bluetooth allows for the option of authentication).

21. With regards to claim 22, Jonsson teaches the method wherein before sending the more detailed, private information in the user's profile, the user's short-range wireless terminal invokes Encryption of a baseband connection with the inquiring wireless terminal (Baseband is the physical layer of Bluetooth and Jonsson's design makes use of Bluetooth (paragraph 3, Jonsson)).

22. With regards to claim 23, Jonsson teaches the method wherein the user's short-range wireless terminal transfers general information to the user's personal profile in a pull model to the inquiring wireless terminal, without authentication or encryption (Pull model is a component of XML and in Jonsson's design, profile information is maintained in a standardized format, no limitation is placed as to what that standard should be (paragraph 36, Jonsson)).

23. With regards to claim 24, Jonsson teaches the method wherein more detailed, private information in the user's profile is protected by authentication and encryption (Jonsson's design makes use of Bluetooth and it is inherent that Bluetooth allows for the option of authentication).

24. With regards to claim 25, Jonsson teaches the method wherein before sending the more detailed, private information in the user's profile, the user's short-range wireless terminal invokes encryption of a baseband connection with the inquiring

wireless terminal (Baseband is the physical layer of Bluetooth and Jonsson's design makes use of Bluetooth (paragraph 3, Jonsson)).

25. With regards to claim 26, Jonsson teaches the method wherein the user's short-range wireless terminal and the inquiring wireless terminal register with a server (paragraph 25, Jonsson).

26. With regards to claim 27, Jonsson teaches the method wherein the server provides matchmaking via Bluetooth links to the short-range wireless terminal and the inquiring wireless terminal based on their having registered with the server (paragraphs 28-38, Jonsson).

27. With regards to claim 28, Jonsson teaches the method wherein the registering includes checking user qualifications for matchmaking (paragraphs 36-38, Jonsson).

28. With regards to claim 29, Jonsson teaches the method wherein when two registered users attempt exchanging privacy sensitive information, they link to the server to obtain a PIN, thereby enabling a Bluetooth authentication procedure for both the short-range wireless terminal and the inquiring wireless terminal (Authentication by PIN is inherently present within Bluetooth).

29. With regards to claim 32, Jonsson teaches the method wherein the user's short-range wireless terminal shares information in the user's personal profile with the inquiring wireless terminal, if their respective user profiles match within a predefined tolerance (paragraphs 36-38, Jonsson).
30. With regards to claims 33 and 45, Jonsson teaches a mobile terminal containing personal profiles for access by other terminals in a short-range wireless communication system, comprising: a) a database in the containing user defined profiles (paragraphs 21, 24 and 25, Jonsson); b) database-managing apparatus to edit the user defined personal profiles based upon user input (The user is allowed to select device/service (paragraph 3, Jonsson)); c) screen display apparatus which displays the personal profiles for user access wherein a standardized form of the user's defined personal profile is contained in service discovery protocol (SDP) records (paragraph 4, Jonsson); d) terminal apparatus responsive to inquires from other terminals for access to the user defined profiles (paragraphs 3-5, Jonsson); and e) matching apparatus in the wireless device which shares general information in the user's personal profile with the inquiring wireless terminal, if their respective user profiles have a first level of close matching wherein the user's wireless device shares more detailed, private information in the user's personal profile with the inquiring wireless terminal, if their respective user profiles have a second level of close matching, which is closer than the first level (paragraphs 3-5 and 28-38, Jonsson).

31. With regards to claim 34, Jonsson teaches the terminal further comprising: e)
records defining each profile stored in the database (paragraph 21, Jonsson).
32. With regards to claim 35, Jonsson teaches the terminal further comprising:
personalization apparatus which sets the terminal in a personalization state to
permit access by other terminals in a transaction (Equivalent to "discoverable
mode" (paragraph 3, Jonsson)).
33. With regards to claim 36, Jonsson teaches the terminal further comprising: g)
searching apparatus which searches the short-range communication network for
other terminals having matching personal profiles (paragraphs 3-5, Jonsson).
34. With regards to claim 37, Jonsson teaches the terminal further comprising: h)
remote profile storing apparatus which stores the user defined profiles in a
remote centralized database for access by the user via a network (paragraph 21,
Jonsson).
35. With regards to claim 39, Jonsson teaches the terminal further comprising: the
service discovery protocol records stored in the database (Bluetooth makes use
of SDP (paragraph 4, Jonsson)).

36. With regards to claim 41, Jonsson teaches the terminal wherein the user's device shares information in the user's personal profile with the inquiring wireless terminal, if their respective user profiles match within a predefined tolerance (paragraphs 36-38, Jonsson).

37. With regards to claim 43, Jonsson teaches the terminal wherein a list of user interests is contained in the SDP records (paragraph 30, Jonsson).

38. With regards to claim 44, Jonsson teaches the terminal wherein the SDP records are defined by a plurality of fields, each field including a series of attributes, where each attribute is defined by a name, a type, and a value (paragraph 30, Jonsson).

Remarks

The request for reconsideration received on September 12, 2005 has been considered and a new search was performed. The examiner is concerned that the current claims describe a design that conflicts with Bluetooth. A copy of the Bluetooth specifications (version 1.1) is being provided so that the applicants can see for themselves. Despite the length of the document, the applicant is strongly encouraged to review these specifications to help advance prosecution of the case.

Conclusion

Art Unit: 2145

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Bluetooth, "Specification of the Bluetooth System," February 22, 2001, Bluetooth, Version 1.1, Volume 2, pp. 1-450.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Azizul Choudhury whose telephone number is (571) 272-3909. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jason Cardone can be reached on (571) 272-3933. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

AC


JASON CARDONE
SUPERVISORY PATENT EXAMINER